



ATL EXEMPLARY
TEACHERS
of **CHANGE**

April 2020



The true teachers
are those who
help us think for
ourselves

—Dr. Sarvepalli Radhakrishnan

MESSAGE
from **MISSION**
DIRECTOR





It gives me immense pleasure to dedicate this book to all Atal Tinkering Lab InCharges across the country. It also gives me great pride to recognize the 'Exemplary ATL Teachers of Change' as a token of appreciation and encouragement for the extraordinary role some of them have played in the success of Atal Innovation Mission's Atal Tinkering Lab initiatives.

Dear ATL InCharges - I want to thank you all for your wonderful commitment to nation building. You are guiding and shaping young budding innovators on how to leverage the ATL labs to stimulate a problem solving innovative mindset. More importantly you are helping them realise their creativity and innovation potential creating potential job creators of the future.

'Exemplary ATL Teachers of Change' – Thank you for demonstrating efficiently on how to utilize and operate these ATL labs efficiently in an outcome oriented manner. You are also creating and identifying a sea of innovative talent for architecting the future destiny of our nation.

Your efforts in leveraging the ATL labs to ensure the desired outcomes as per Atal Innovation Mission's vision is both marvelous and inspiring. The extra miles that you have walked with us in the AIM innovation journey encourage the young minds to make use of Atal Tinkering Labs properly. Without you, the success of Atal Tinkering Lab initiatives is not possible.

I extend my heartiest congratulations to our first set of Exemplary ATL Teachers of Change who have been recognised through this book. I am sure your continued dedication and efforts will inspire many other potential ATL Exemplary Teachers of Change to build a new innovative India.

Inspire, Innovate as the agents of Change that our nation so urgently needs.

R Ramanan

Mission Director Atal Innovation Mission, NITI Aayog



PREFACE
from **PROGRAM
DIRECTOR**





Our former Prime Minister late Shri Atal Bihari Vajpayee Ji believed that the future of this country lies in the hands of youth and the Atal Innovation Mission (AIM), named after his legacy, is an effort towards translating his dreams into reality.

AIM is a flagship initiative set up by NITI Aayog to promote innovation and entrepreneurship across the length and breadth of the country. At the school level, AIM is setting up state of the art Atal Tinkering Labs (ATL) in schools across all districts across the country. It is systematically honing young students on crucial 21 century skills including Creativity, Innovation, Critical Thinking, Social and Cross-Cultural Collaboration, Ethical Leadership and so on.

Since the birth of ATL, and over the years, I have witnessed an exemplary display of creativity and problem-solving skills from the young minds of our country. This evolution of thinking has always been supported by a strong guiding force found within the ATL in-charges. The ATL in-charges play the role of mentors for the students in their path of creativity, discovery and innovation.

'The ATL Exemplary Teachers of Change' book is our way of recognizing the ATL in-charges who have done outstanding work for their students, the community and the ATL itself, consistently over a period of time. The book is an attempt to celebrate their hard work and dedication and to inspire others to persistently pursue the path of inculcating an innovative mindset amongst India's youth.

I along with my team at AIM, NITI Aayog, applaud & congratulate the ATL Exemplary Teachers of Change and urge them to continue inspiring teachers and guiding students.

Dr. Ayesha Chaudhary

Program Director, Atal Innovation Mission, NITI Aayog



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ABOUT THE PROGRAM

The Atal Innovation Mission

Objective of the Mission

AIM, NITI Aayog is envisaged as an umbrella innovation organization that would play an instrumental role in alignment of innovation policies between central, state and sectoral ministries, by incentivizing the promotion of an ecosystem of innovation and entrepreneurship at various levels - higher secondary schools, higher educational and research institutions, and SME/MSME industry, corporate, and government ministerial level, by public-private partnership.

The Atal Tinkering Labs

As we have learned, you can mandate adequacy, but you cannot mandate greatness: it has to be unleashed.

- Joel Klein, Vice-Chair of the Global Agenda Council on Education

We are at the cusp of a Fourth Industrial Revolution and the need for inculcating an innovative mindset within our youth is of paramount importance.

Combining the traditional teaching methodologies with today's experiential learning will be the key towards creating a unique blended education system in India. Keeping in mind the demands of the growing economy and global

growth in innovation development, the Government of India, embarked on a noble mission to create an ecosystem that nurtures futuristic skills like complex problem solving, critical thinking, adaptive learning, computational skills in children, with a vision to create one million neoteric innovators, with the ATL initiative.

ATL is encouraging students and teachers to experiment, explore and follow a self-learning path, thereby empowering them to think differently about problems and develop innovative solutions, by leveraging latest technology tools including 3D printing, Internet of Things, robotics, miniaturized electronics, space technology, drone technology, technology inspired textiles and so on. ATL is also providing other sections of the community including parents, mentors and other individuals interested in innovation to give life to their ideas. Through frequent community sessions, ATL is shaping an ecosystem wherein every individual can contribute towards finding solutions to day-to-day problems of the society and the country, henceforth creating a strong essence of national service.

Under the ATL scheme, grant-in-aid of up to Rs. 20 lakh is provided to schools selected for setting up ATL. The grant must be spent exclusively for the specified purpose within the stipulated time of a maximum period of 5 years, with Rs.10 lakh for capital expense and remaining Rs.10 lakh for operational and maintenance expenses.

As of January 2020, more than 5,000 ATLs have been established, covering 90% of all the districts and 108 Aspirational Districts of India. These labs, established in both govt. and private schools and majority in co-educational and girls' schools, are serving as community hubs of innovation, while transforming the way India learns, thinks, ideates and innovates. As per the Strategy for New India published by NITI Aayog, AIM, NITI Aayog shall establish over 10,000 ATLs by end of calendar year 2020.



CELEBRATING TEACHERS

Why did we start the movement of ATL Exemplary Teachers of Change (EToC)?

ATL In-charges are the backbone that is driving the ATL initiative forward in their school and local community. They are the unsung heroes who deserve every bit of appreciation and encouragement from their students, the school and most importantly the ATL, AIM team at NITI Aayog.

It is for this reason that the AIM team has initiated a recognition platform for exemplary teachers across ATLs in India. These outstanding ATL in-charges will henceforth be called 'ATL Exemplary Teachers of Change'.

Process of identifying ATL EToC

In the first announcement made in March 2020, 45 EToC were selected from 34 States and UTs. The primary criteria for their selection was the continuous engagement with ATL as shared via the MyATL Dashboard.

MyATL Dashboard is the online platform for schools to indicate their ATL activity, achievements, student participation, innovations created, events conducted and challenges participated.

The team monitored the schools that were regularly updating their Dashboards and announced a monthly list of Top ATLs of the month. The Teachers of Change are those ATL in-charges who have consistently ranked their schools among the Top ATLs of the month for six continuous months.*

Filling of monthly reports on MyATL Dashboard is mandatory as it is the primary way for ATL team to understand the success and performance of a particular ATL.

(Link to ATL Dashboard - <https://aim.gov.in/atl/>)

To guide you in filling monthly reports on MyATL Dashboard, we have prepared a step by step video for your assistance:

<https://www.youtube.com/watch?v=7VqU-HJwj2w&feature=youtu.be>



Further details related to MyATL Dashboard can be downloaded below)

<https://www.aim.gov.in/MyATL-User-Manual.pdf>



*Some states had no school that was consistently ranked as the top ATL for 6 months, hence schools were selected on the basis of the maximum number of times it was ranked at top ATL of the month and in case of a tie, all the ties schools were selected.

Role of ATL EToCs

- The EToCs first and foremost should continue their work as ATL in-charges with the same zeal and enthusiasm
- Guide and motivate other in-charges by sharing your ATL experiences and best-practices.
- EToCs should become ambassadors for the ATLs challenges, innovation events and encourage participation from their region's ATLs
- Post at least one write-up/blog/video on Wall of Fame or on social media by tagging the official AIM handle every month sharing best-practices, technical knowledge and experiences.



ATL EXEMPLARY

TEACHERS *of* **CHANGE**

July – December

Introducing our first 45 ATL Exemplary Teachers of Change! Let us know more about their lives, interesting stories from ATLs, what motivates them and what they would like to say to all the other ATL in-charges in India to inspire them.



School
S D Jain Higher Secondary School

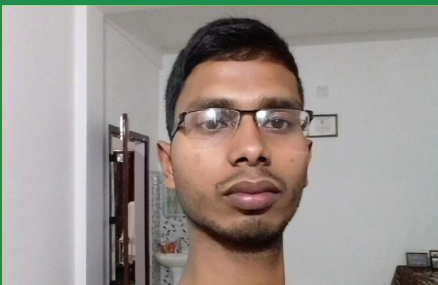
ATL UID
32628331

City
Dimapur

State
Nagaland

AJAY SETHI

There can't be anything as great as the ATLs for students at school level.



School
Vivekananda Kendra Vidyalaya Ziro

ATL UID
89821541

City
Ziro

State
Arunachal Pradesh

AMARNATH SAHANI

I request all the ATL in-charges of various schools across the country to bestow your skills and potential for fostering curiosity and innovation among the students



School
British Fort Foundation school
Jabalpur M.P

ATL UID
13602903

City
Jabalpur

State
Madhya Pradesh

ANIKET GAUTAM

It is a world of high technology and sensors where imaginations become reality. I have made one ATL group of the most motivated students which not only encourages other students to take ATL classes seriously and also keeping them motivated.



School
DAV Public School, Koylanagar,
Dhanbad

ATL UID
10063286

City
Dhanbad

State
Jharkhand

ARABINDA PATRA

I think ATL is the corner of innovation where students can show their potential. I would say that we as ATL In-charges should come up with creative ideas to improve or make something new, analyse complex data in order to draw clear and simple conclusions. Let's make our young minds ideate, innovate and create.



School
Maxfort Education school

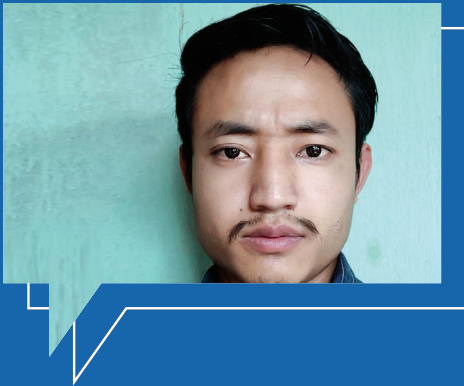
ATL UID
20535098

City
Partapur

State
Rajasthan

ASHUTOSH UPADHYAY

My motivation for ATL is 'Change the world with new ideas'. The interaction with students at the ATL especially the nearby tribal students who have some amazing ideas of indigenous innovations drives and motivates me to continue this journey.



School
Baptist Thangyen School

ATL UID
28833701

City
Tuensang

State
Nagaland

BESO LENSO CHANG

ATL is the future of our young generation to think, ideated, design and innovate for New India.



School
Government Chujachen Senior
Secondary School East Sikkim

ATL UID
18354086

City
Rongli

State
Sikkim

BIKASH GURUNG

As ATL in-charges, I think we will have a crucial role to play. Tinkering with new ideas and implementing them is a key reflection of a good inventor which we can nurture our students to become in the future.



School
Vivekananda Kendra Vidyalaya,
Jairampur

ATL UID
eeca8138

City
Changlang, Jairampur

State
Arunachal Pradesh

CHINNASAMY S

As the ATL In-charge I see my students many of them have a creative mind and a keen interest in the ATL lab activities, so am always giving more real time projects. I would urge all the ATL in-charges that we all join together to Motivate our young generation and inspire them to meet the global challenges that we as a society face.



School
Zila school Gaya

ATL UID
b8b93905

City
Gaya

State
Bihar

DR.DEVENDRA SINGH

I would request all ATL in-charges open up the ATL for all the disadvantaged children in your village so that everyone gets an opportunity to tinker and innovate.



School
Rishikul Sr Sec School Kurana
Panipat

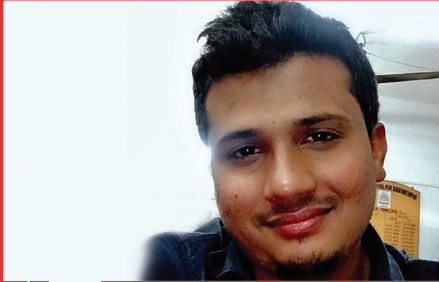
ATL UID
24205400

City
Panipat

State
Haryana

DEEPAK SHARMA

Let us unite to make our country a hub of technology with the help of new ideas and innovations.



School
Kendriya Vidyalaya Baikunthpur

ATL UID
174111616

City
Baikunthpur

State
Chattishgarh

FARAZUL HASAN

For me ATL stands for novelty. A desire to learn myself and make my students learn innovative solutions motivates me the most. To all the ATL In-charges I would say keep on soaring high with new ideas and value each and every student's curiosity and idea.



School
Defence Laboratories School
RCI

ATL UID
305011998

City
Hyderabad

State
Telangana

GANDU RAVI

As ATL in-charges we should work towards enabling our country to reach its goals through young minds



School
Sandhya Modern High School
Dubahal Gaya

ATL UID
E6445797

City
Gaya

State
Bihar

GAURAV KUMAR

ATL is combination of concept, knowledge, understanding and ideation for everyone. A place which motivates one to do better forever. As the ATL In-charge I ensure to follow the guidelines provided by AIM and solving the problems of the community and also engage the community students because these students are looking for opportunities and coming up with better and innovative solutions.



School
Dr B R Ambedkar Memorial High
School

ATL UID
22967181

City
Ranchi

State
Jharkhand

GYAN RAJ

For me ATL is that tool which has the capability to make India world leader. The dreams which I see in the eyes of my students inspires me to be an exemplary ATL In-Charge. ATL is the future and we all have to work in co-operation to make it a reality. Providing better resources and more opportunities to the rural and tribal area students should be our priority because they have the capability to change the world.



School
ZPHS - Rampa Yerrampalem

ATL UID
303112419

City
Gokavaram

State
Andhra Pradesh

HARI BABU MANDAPAKA

ATL instils a maker spirit in young people by using the latest technologies. It is the best platform to bring the do-it-yourself culture among students. As an ATL In-charge I encourage and motivate students to become solution providers and get engaged in self learning.



School
Shree Vasishtha Vidhyalaya

ATL UID
034f11386

City
Surat

State
Gujarat

HITESH DAKHARA

ATL is such a great platform in our schools, It helps in channelising creativity among students in the right direction.



School
Govt. Excellence Hr School
Ashta

ATL UID
24862894

City
Ashta

State
Madhya Pradesh

INDER SINGH THAKUR

The curiosity of learning new technology and the the hope of the students always inspires me. And I urge all in-charges to expand the scope of ATL to invite more and more community students to innovate their ideas within ATL.



School
SXHSS Chemmannar

ATL UID
2812598

City
Idukki

State
Kerala

JOSE P L

ATL is a great opportunity for teachers and mentors to help and guide students to bring their innovations to life.



School
Churachand Higher Secondary
School

ATL UID
16088342

City
Imphal

State
Manipur

KANGABAM HEROJIT SINGH

The curiosity of young minds, their hard work, patience & empathy is what inspires me to continuously improve as an ATL in-charge



School
Sneh International School

ATL UID
3be77603

City
Delhi

UT
Delhi

KOMAL DHINGRA

We're lucky to have a great platform like ATL which broadens the horizon of everyone involved. I remember when a notorious child of Class 8, who wasn't interested in studies at all was brought to ATL and got so involved in tinkering that he not only did wonderfully well in ATL but also his behaviour and academics improved. His parents are always so thankful and appreciative to school.



School
Seth Anandram Jaipuria School

ATL UID
ebf5379

City
Ghaziabad

State
Uttar Pradesh

MADHAVI GOSWAMI

My passion is to foster innovation culture among students. I want to say to all fellow ATL in-charges - We all are a team! Lets collaborate and learn from each other.



School
Kendriya Vidyalaya Nehu

ATL UID
252411355

City
Shillong

State
Meghalaya

MANOJ KUMAR ROY

To all ATL in-charges, I would request you to be the medium for the advancement of students as it is an opportunity to prepare future scientists in India



School
Govt High School, Gaisilat

ATL UID
15091790

City
Bargarh

State
Odisha

MANAS RANJAN SATPATHY

As a ATL in-charge, I teach the students about the equipment and let them explore it themselves as I believe the teacher is a source of inspiration and a guide.



School
Government PU College
(High School Section)

ATL UID
31964225

City
Jagaluru

State
Karnataka

MANJUNATH SAHUKAR

ATL is providing an opportunity to learn and share the Knowledge. We as in-charges who have the knowledge at our doorstep need to pass it on to our students and inspire them to become future scientists of our country.



School
Carmel Convent School

ATL UID
30597614

City
Chandigarh

UT
Chandigarh

DR. MEENAKSHI JINDAL

ATL I work to inspire the students to innovate and most time in-turn I get inspired by them. To all ATL in-charges out there, work with passion for your ATL to nurture a generation of innovative thinkers.



School
Belonia Vidyapith H S School

ATL UID
10177359

City
Belonia

State
Tripura

MRINAL DAS

As an ATL In-charge I always motivate all the students for their goal. When I have free time available with me, I always ensure to spend the time along with the students.



School
Laimekuri Higher Secondary
school

ATL UID
49959019

City
Jonai

State
Assam

NAREN KULI

The student's interest in STEM and their innovative thinking for creating and building encourages me to engage in the ATL lab. Including ATL in the school curriculum is a crucial step that we should all together strive for.



School
Bhartiya Vidya Mandir Udham
Singh Nagar

ATL UID
4c7911478

City
Ludhiana

State
Punjab

NARENDRA SINGH RAWAT

ATL is celebrating Innovation by realising Ideas into reality. The enthusiasm and curiosity in students and their zest to work hands on to create high tech solutions inspires me every day.



School
SRN International School

ATL UID
22046790

City
Jaipur

State
Rajasthan

NAVEEN KUMAR

ATL is a place to bring ideas into reality and the more you will tinker, the more you will learn



School
Srinivasa English Medium High School

ATL UID
15826425

City
Nellore

State
Andhra Pradesh

N SURENDRA REDDY

ATL is a wonderful platform to improve student innovations at school level. The response we are getting from our students to learn new technologies to help society is tremendous. One of the regular practices that I follow as an ATL In-charge is an interaction with our students about innovative ideas, each week and guiding them to provide and achieve more for the country.



School
DAV Model School

ATL UID
15e53711

City
Durgapur

State
West Bengal

PARTHA CHATTERJEE

ATL is a place to inculcate the productivity of young mind of our innovative youth. The community work with all the ATL and non-ATL schools on a regular basis is a satisfying experience. The objective is to think beyond the box and empower the nation.



School
Govt. Higher Secondary School,
Khanvel, Marathi Medium

ATL UID
77647079

City
Khanvel

UT
Dadra and Nager Haveli

PATIL SATISH EKNATH

ATL is an innovative platform for our rural students and we as teachers need to use this platform to provide them the opportunities to show their talent and ability



School
Srivenkateswara Matriculation
Higher Secondary School

ATL UID
39934344

City
Ambattur, Chennai

State
Tamil Nadu

P. CHANDRALEKHA

Be persistent and continue tinkering !



School
Model Academy

ATL UID
e28c6029

City
Jammu

State
Jammu and Kashmir

PRINCE SHARMA

ATL is a Perfect platform to convert ideas into reality where learning never ends. Let's join hand and do something for the betterment of society.



School
Thanthaiperiyar Govt Girls Hr
Sec.School

ATL UID
b055791

City
Ariyankuppam

UT
Puducherry

R JAMUNA

ATL is a means to bring forth the hidden skills within students and with our hard work and dedication we can successfully create a good society



School
Jawahar Navodaya Vidyalaya
Peren

ATL UID
17883105

City
Jalukie

State
Nagaland

ROHIT NISHANT TOPPO

ATL is a lab to create innovative ideas for students and teachers. The different projects, programmes and facilities provided by ATL inspires me. Let us all guide the ideas of the students in the right direction and make our country proud.



School
Rainbow International School

ATL UID
d69f7304

City
Nagrota Bagwan

State
Himachal Pradesh

SHEHNAZ KHAN

ATL is the most essential platform for me to drive my passion to serve the community, to learn more and grow by being amongst young innovators. I keep myself open to the ideas of my students for I believe however illogical the idea seems to be, we can improve it when we start sharing and ideating together.



School
Rosary High School

ATL UID
bba86315

City
Navelim Margao

State
Goa

SHIVANI VARUN PRABHUDESSAI

As an ATL In-charge, the curiosity of the students and urge for more knowledge motivates me to continue the mentoring and guiding the students. ATL should not be just like any other monotonous class, it should be a place where they work with their ideas, learn new things and share the knowledge with other inspiring students.



School
Stepping Stones Senior
Secondary School

ATL UID
ea3e9807

City
Chandigarh

State
Chandigarh

SHIVKANT VERMA

The passion towards technology and keep updating my self with the latest technologies is my inclination to be a part of the ATL community. I encourage the kids to 'Do it yourself'. Give students direction and let them do it on their own as much as they can. They will learn how to deal with problems and how to solve them.



School
Mother India Public School

ATL UID
e9e63642

City
Bazpur

State
Uttarakhand

SHIVAM RANA

ATL for me is a place where imagination meets creativity



School
Government Higher Secondary
School Pfutsero

ATL UID
15763013

City
Phek

State
Nagaland

VEPOCUYI RUHO

Our responsibility as an ATL incharge is to let the creativity flow free and let the students decide what they want to create and innovative for that freedom of imagination is the best practice.



School
Christian English High School

ATL UID
27015595

City
Saiha

State
Mizoram

V. JOSEPH LIANLUTA

ATL for me is the best space where students can Think, Make, Try and Refine as they are the future of the country. I have a simple message for all of us, "Alone we can't shape the future of students; together we can shape it".

**School**

Maharaja Sayajirao Vidhyalaya
and Junior College Satara

ATL UID

93382740

City

Satara

State

Maharashtra

VITTHAL ARGADE

ATL for me is the place where student's innovation takes birth. It gives me a chance to help and guide students to bring their innovative ideas/ projects to life. I would like to say that, we as ATL In-charges have a responsibility and a golden opportunity to motivate and guide students towards new era of technology.

**School**

Govt Higher Secondary School
Rupa

ATL UID

32397479

City

Rupa (West Kameng)

State

Arunachal Pradesh

VIVEKA NAND JHA

The world is very competitive in the field of science and technology and every ATL Incharge should discharge his duty very honestly to make our future. Initially when the ATL was completely a new concept for me, I was very confused and stressed. But with time I realised that my duty is simply to ignite innocent and intelligent minds of these students and then I shall be able fulfill the purpose of ATL in my school and ultimately for the nation.



School
D.A.V. Public School, Sector-14

ATL UID
17438337

City
Gurugram

State
Haryana

VIVEK KUMAR BHUTANI

According to me, ATL is a place "of the learner, by the learner and for the learner". As part of the ATL In-charge community, I would say to my fellow mates that we all are doing very well and putting efforts for our students. We should keep on putting our best efforts so that new ideas and experience can be combined to achieve greater heights.





NITI Aayog



ATAL INNOVATION MISSION